

# VPS Manifold

## DATASHEET



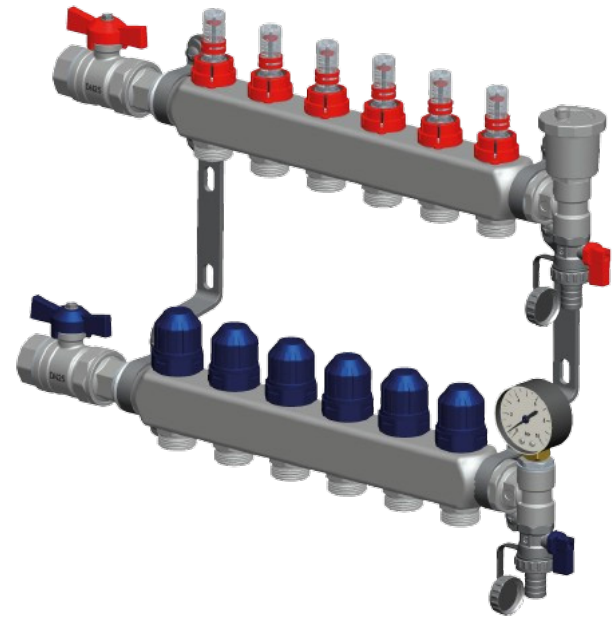
VPS UNDERFLOOR HEATING



Underfloor heating manifolds, available in 2 to 12-port sizes. Options for ball valves and manifold adaptors are also available. Made of premium stainless steel, these distribution manifolds are durable. They guarantee optimal performance for your underfloor heating system with a 5-year warranty.

Each heating manifold includes key components. Adjustable flow meters, fill and drain points, pressure gauge and automatic air vents. Add ball valves and manifold adaptors to complete your system. Actuators can be installed in place of flow caps in the return bar to enable smart control of the system.

You can use the underfloor heating manifold to run both radiator and underfloor heating systems.



## Technical Data

|                    |           |                               |
|--------------------|-----------|-------------------------------|
| <b>Material</b>    | Main Body | Stainless Steel 304           |
|                    | Connector | Brass                         |
|                    | Seal      | EPDM                          |
| <b>Connections</b> | Branch    | 1" BSP                        |
| <b>Pressure</b>    |           | 0 - 10 BAR                    |
| <b>Temp Range</b>  |           | -30 to 95 °C                  |
| <b>Flow rate</b>   |           | 1 - 5 L Min <sup>-1</sup>     |
| <b>Medium</b>      | Medium 1  | Water                         |
|                    | Medium 2  | Water/Ethylene glycol 50/50%  |
|                    | Medium 3  | Water/Propylene glycol 50/50% |

## Key Features

- ✓ 2 - 12 port
- ✓ Pipe adaptors for 12 mm, 15 mm, 16 mm, 17 mm
- ✓ 5-year warranty.
- ✓ Adjustable flow meters, fill and drain points, pressure gauge and automatic air vents included.

## 5 year Warranty

Our industrial-grade stainless steel manifolds are perfect for jobs at every scale – whether it's your bathroom or your office block. Sleek and low-profile, they'll cast heat into the farthest reaches of any home in all conditions.

## Installation

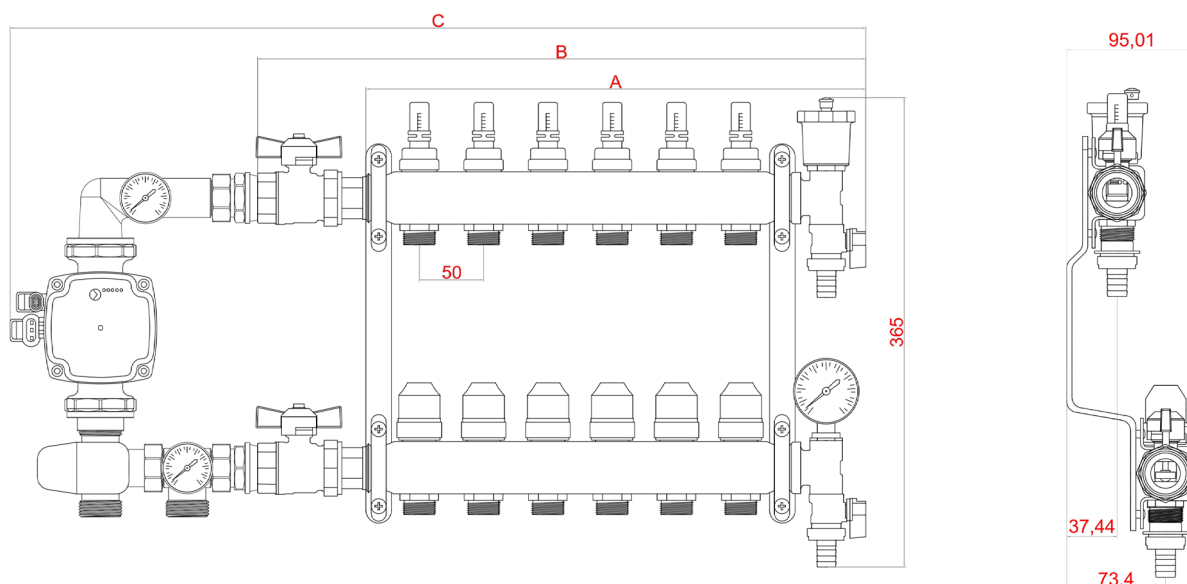
Position the manifold in the centre of the property/heated areas. The installer should allow for the recommended clearances.

- 200 mm between the finished floor level and the bottom of the manifold
- 100 mm above the manifold
- 50 mm on either side of the manifold

Filling the system can be done via the fill and drain valves. The fill vent is connected to a main water supply.

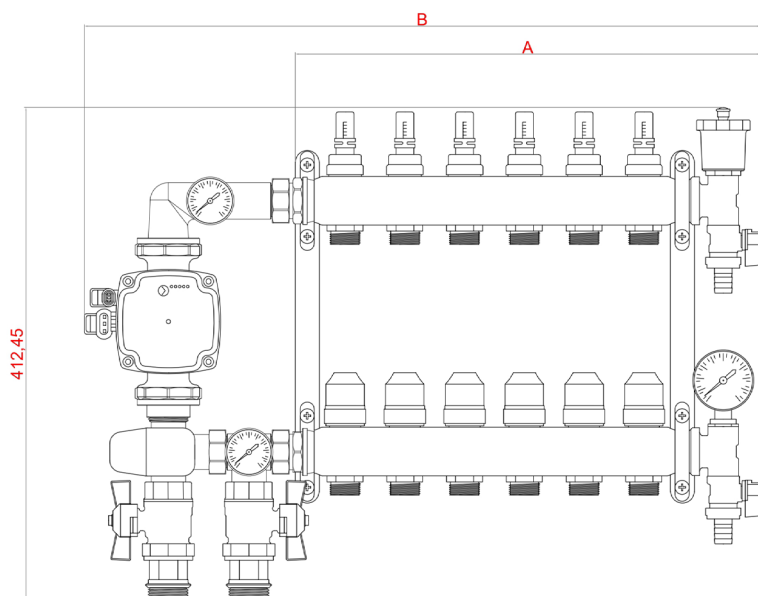
Testing is required after the system has been installed and filled. You must test the completed system to 6 bar for a minimum of one hour. This step is essential and must be completed before any covering is laid.

# Specification



| Port | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A    | 189 | 239 | 289 | 339 | 389 | 439 | 489 | 539 | 589 | 639 | 689 |
| B    | 273 | 323 | 373 | 423 | 473 | 523 | 573 | 623 | 673 | 723 | 773 |
| C    | 465 | 515 | 565 | 615 | 665 | 715 | 765 | 815 | 865 | 915 | 965 |

A - Width of manifold (inc. fill & drain ports)  
 B - Width of manifold & ball valves  
 C - Width of manifold, ball valves & control pack



| Port | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A    | 189 | 239 | 289 | 339 | 389 | 439 | 489 | 539 | 589 | 639 | 689 |
| B    | 365 | 415 | 465 | 515 | 565 | 615 | 665 | 715 | 765 | 815 | 865 |

A - Width of manifold (inc. fill & drain ports)  
 B - Width of manifold & control pack